

In the Claims:

04-6176

1-17. Cancelled.

18. (Withdrawn-Currently Amended) A method comprising:

~~storing a plurality of bid requests for a trading product, in which each bid request is submitted by a trader or a market center and each bid request comprises a bid quantity and a bid;~~

~~receiving, from a remote device, a trading order that comprises an offer request for the a total quantity of a trading product that is desired by an user and a ,in which offer request comprises an offer quantity and an offer price of the trading product that is desired by the user;~~

~~identifying at least one of bid requests from the comparing, via a processor, the trading order with a plurality of trading orders that are stored in a database, in which the processor and the remote device are in communication over a network; bid requests, in which the at least one bid request comprises a bid price that is greater than or equal to the offer price;~~

~~selecting one of the identified bid requests to match with the offer request of the trading order, in which the bid quantity of the selected bid request comprises a portion of the offer quantity;~~

~~matching the selected bid request with the offer request of, via the processor in accordance to a priority schedule, a first quantity of the trading order with at least one of the plurality of trading orders;~~

~~determining, in response to the matching, calculating a remaining quantity of balance for the trading order product; and~~

~~storing a second offer request for the trading product, in which the second offer request comprises the offer price and the remaining quantity balance.~~

determining that a market center is able to fill the remaining quantity at the price desired by the user;

determining that the market center has not exceeded a pre-determined maximum number of pending transactions; and

routing the remaining quantity to a market center.

19. (Withdrawn-Currently Amended) The method of claim 18, in which the plurality of trading orders were previously received, ~~matched-price comprises at least one of: the bid price of the selected bid; the offer price of the trading order; and an average of the bid price of the selected bid and the offer price of the trading order.~~

20. (Withdrawn-Currently Amended) The method of claim 18, in which the remaining quantity is based on deducting ~~act of identifying at least one bid request further comprises: identifying a first bid request that comprises a first bid price and a first bid quantity from the total quantity of the desired trading product, ; and identifying a second bid request that comprises a second bid price and a second bid quantity.~~

21. Cancelled.

22. (Withdrawn-Currently Amended) The method of claim ~~20~~, 18 further comprising: transmitting an indication to the user that the first quantity of the trading product has been filled, ~~in which the act of selecting one of the identified bid requests further comprises: determining that the first bid is submitted by a trader; and the second bid request is submitted by a market center; and selecting the first bid request to match with the trading order in order to promote liquidity.~~

23. (Withdrawn-Currently Amended) The method of claim 18 further comprising: ~~; in which the act of calculating the remaining quantity balance for the trading order further comprises: determining a difference between the offer quantity of the~~

removing the at least one of the plurality of trading orders from the database,
and the bid quantity of the selected bid.

24. (Withdrawn-Currently Amended) The method of claim 18 in which the act of matching, in accordance to the priority schedule, further comprising comprises:

determining, for each of the plurality of trading orders, a quantity of the trading product that is being offered that the selected bid request is submitted by a market center;
prioritizing each of the plurality of trading orders in accordance to the quantity; and
calculating a market center

determining that the quantity offered by the at least one of the plurality of trading orders most closely matches for the selected bid request; and routing the market center the total quantity of the trading order product desired by the user, to the market center.

25. (Withdrawn-Currently Amended) The method of claim 24 18, in which the act of calculating routing the market center remaining quantity to the market center further comprises:

applying a quantity multiplier to the bid a quantity of the selected bid request, in which the quantity multiplier is based upon a percentage of shares filled trading product that is offered by the market center.

26. (Withdrawn-Currently Amended) The method of claim 24 18, in which the act of calculating the remaining quantity balance matching, in accordance to the priority schedule, further comprises:

determining, for each of the plurality of trading orders, a price at which the trading product is being offered;
prioritizing each of the plurality of trading orders in accordance to the price; and
determining that the price offered by the at least one of the plurality of trading orders most closely matches the price of the trading product desired by the user.

~~the difference between the offer quantity of the trading order and the market center quantity.~~

27. (Withdrawn-Currently Amended) The method of claim 18, in which the act of matching, in accordance to the priority schedule, further comprising comprises:
determining, for each of the plurality of trading orders, an identity of a trader; and
prioritizing, based on the identity of the trader, the at least one of the plurality of trading orders in advance of any other of the plurality of trading orders,
~~setting a flag to indicate that the selected bid has been matched; and removing the selected bid from storage to indicate that the selected bid has been matched.~~

28. (Withdrawn-Currently Amended) The method of claim 18, in which the act of matching, in accordance to the priority schedule, further comprising comprises:
determining that both a trader and a market center offer a match with the trading order
~~the selected bid request is submitted by market center; determining that the market center has not received a trading order for the trading product; and~~
routing the portion of offer quantity of the trading order to
prioritizing the trader in advance of the market center.

29-68. Cancelled.

69. (Currently Amended) An apparatus comprising:
a processor; and
a memory, in which the memory stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 18.~~
receiving a trading order that comprises a total quantity of a trading product
that is desired by an user and a price of the trading product that is desired by the
user;

comparing the trading order with a plurality of trading orders that are stored in a database;

matching, in accordance to a priority schedule, a first quantity of the trading order with at least one of the plurality of trading orders;

determining, in response to the matching, a remaining quantity of the trading product;

determining that a market center is able to fill the remaining quantity at the price desired by the user;

determining that the market center has not exceeded a pre-determined maximum number of pending transactions; and

routing the remaining quantity to a market center.

70. (Currently Amended) The apparatus of claim 69, in which the ~~memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 19.~~ plurality of trading orders were previously received.

71. (Currently Amended) The apparatus of claim 69, in which the ~~memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 20.~~ remaining quantity is based on deducting the first quantity from the total quantity of the desired trading product.

72. Cancelled.

73. (Currently Amended) The apparatus of claim 71 ~~69~~, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 22.~~

determining that the market center is able to fill the remaining quantity at the price desired by the user.

74. (Currently Amended) The apparatus of claim 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 23.~~

transmitting an indication to the user that the first quantity of the trading product has been filled.

75. (Currently Amended) The apparatus of claim 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 24.~~

removing the at least one of the plurality of trading orders from the database.

76. (Currently Amended) The apparatus of claim ~~75~~ 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 25.~~

determining a quantity of the trading product that is offered by each of the plurality of trading orders;

prioritizing each of the plurality of trading orders in accordance to the quantity; and
determining that the quantity offered by the at least one of the plurality of trading orders most closely matches the quantity of the trading product desired by the user.

77. (Currently Amended) The apparatus of claim ~~75~~ 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 26.~~

determining a price at which the trading product is being offered by each of the plurality of trading orders;

prioritizing each of the plurality of trading orders in accordance to the price; and
determining that the price offered by the at least one of the plurality of trading orders most closely matches the price of the trading product desired by the user.

78. (Currently Amended) The apparatus of claim 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 27.~~

determining an identity of a trader for each of the plurality of trading orders; and
prioritizing, based on the identity of the trader, the at least one of the plurality of
trading orders in advance of any other of the plurality of trading orders.

79. (Currently Amended) The apparatus of claim 69, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform; ~~the method of claim 28.~~

determining that both a trader and a market center offer a match with the trading
order; and
prioritizing the trader in advance of the market center.

80-85. Cancelled.

86. (Withdrawn) An article of manufacture comprising:
a storage medium, in which the storage medium stores instructions which, when executed by a processor, direct the processor to perform the method of claim 18.

87. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 19.

88. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 20.

89. Cancelled.

90. (Withdrawn) The article of claim ~~88~~ 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 22.

91. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 23.

92. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 24.

93. (Withdrawn -Currently Amended) The article of claim ~~92~~ 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 25.

94. (Withdrawn -Currently Amended) The article of claim ~~92~~ 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 26.

95. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 27.

96. (Withdrawn) The article of claim 86, in which the storage medium stores instructions which, when executed by the processor, direct the processor to perform the method of claim 28.

97-119. Cancelled.

120. (New) A method comprising:

receiving a trading order that comprises a total quantity of a trading product that is desired by an user and a price of the trading product that is desired by the user;

comparing the trading order with a plurality of trading orders that are stored in a database;

matching, in accordance to a priority schedule, a first quantity of the trading order with at least one of the plurality of trading orders;

determining, in response to the matching, that a first market center is able to fill the remaining quantity at the price desired by the user.

determining that the first market center has exceeded a pre-determined maximum number of pending transactions; and

routing the remaining quantity to a second market center.

121. (New) The method of claim 120, in which the plurality of trading orders were previously received.

122. (New) The method of claim 120, in which the remaining quantity is based on deducting the first quantity from the total quantity of the desired trading product.

123. (New) The method of claim 120 further comprising:

determining that the market center is able to fill the remaining quantity at the price desired by the user.

124. (New) The method of claim 120 further comprising:

transmitting an indication to the user that the first quantity of the trading product has been filled.

125. (New) The method of claim 120 further comprising:

removing the at least one of the plurality of trading orders from the database.

126. (New) The method of claim 120, in which the act of matching, in accordance to the priority schedule, further comprises:

determining, for each of the plurality of trading orders, a quantity of the trading product that is being offered;

prioritizing each of the plurality of trading orders in accordance to the quantity; and

determining that the quantity offered by the at least one of the plurality of trading orders most closely matches the total quantity of the trading product desired by the user.

127. (New) The method of claim 120, in which the act of routing the remaining quantity to the market center further comprises:

applying a quantity multiplier to a quantity of the trading product that is offered by the market center.

128. (New) The method of claim 120, in which the act of matching, in accordance to the priority schedule, further comprises:

determining, for each of the plurality of trading orders, a price at which the trading product is being offered; the difference between the bid quantity of the trading order and the market center quantity.

prioritizing each of the plurality of trading orders in accordance to the price; and

determining that the price offered by the at least one of the plurality of trading orders most closely matches the price of the trading product desired by the user.

129. (New) The method of claim 120, in which the act of matching, in accordance to the priority schedule, further comprises:

determining, for each of the plurality of trading orders, an identity of a trader; and

prioritizing, based on the identity of the trader, the at least one of the plurality of trading orders in advance of any other of the plurality of trading orders.

130. (New) The method of claim 120, in which the act of matching, in accordance to the priority schedule, further comprises:

determining that both a trader and a market center offer a match with the trading order; and
prioritizing the trader in advance of the market center.

131. (New) An apparatus comprising:

a processor; and
a memory, in which the memory stores instructions which, when executed by the processor, direct the processor to perform the method of claim 120.

132. (New) The apparatus of claim 131, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 121.

133. (New) The apparatus of claim 132, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 122.

134. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 123.

135. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 124.

136. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 125.

137. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 126.

138. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 127.

139. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 128.

140. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 129.

141. (New) The apparatus of claim 133, in which the memory further stores instructions which, when executed by the processor, direct the processor to perform the method of claim 130.